



McKee Road Reconstruction Project
City of Fitchburg

Public Involvement Meeting
September 20, 2017
7:00 PM

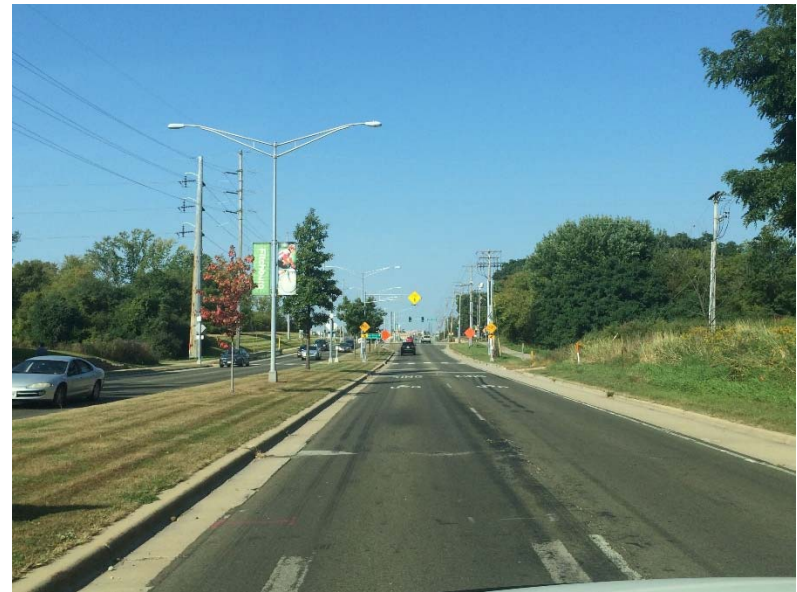
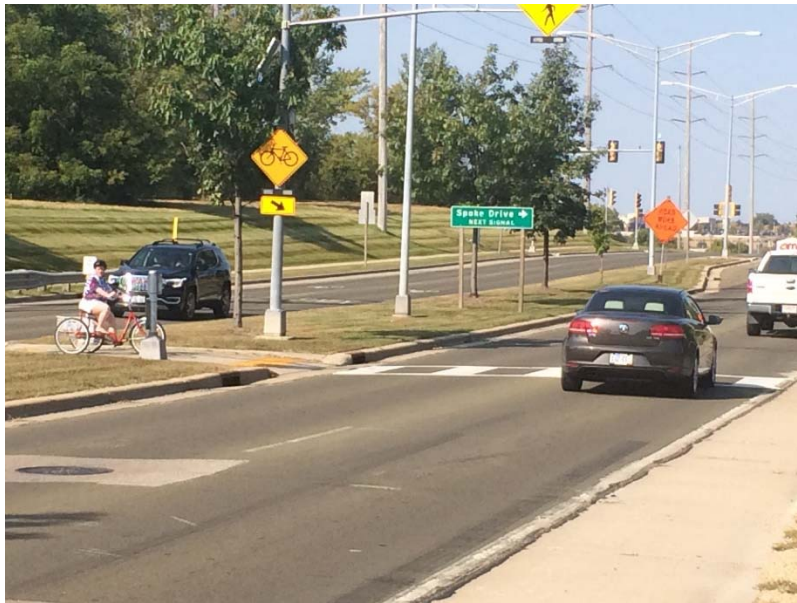


Presentation Agenda

- ▶ Project Background
 - ▶ Purpose and Needs
 - ▶ Existing Conditions
 - ▶ Project Goals
 - ▶ Project Schedule
- ▶ Preliminary Design Concepts
 - ▶ Intersections
 - ▶ Badger State Trail Alternatives
 - ▶ Typical Section Concepts
 - ▶ Stormwater Concepts
- ▶ Next Steps
- ▶ Questions

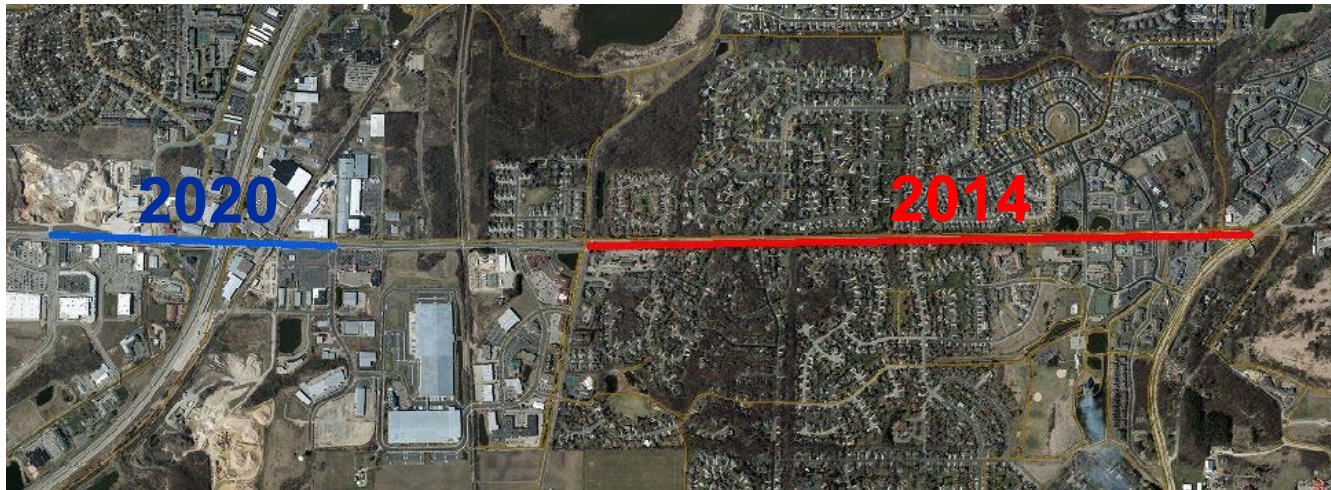
McKee Road

The purpose of this project is to improve McKee Road to provide a dependable and safe corridor for all modes of travel through the City of Fitchburg.



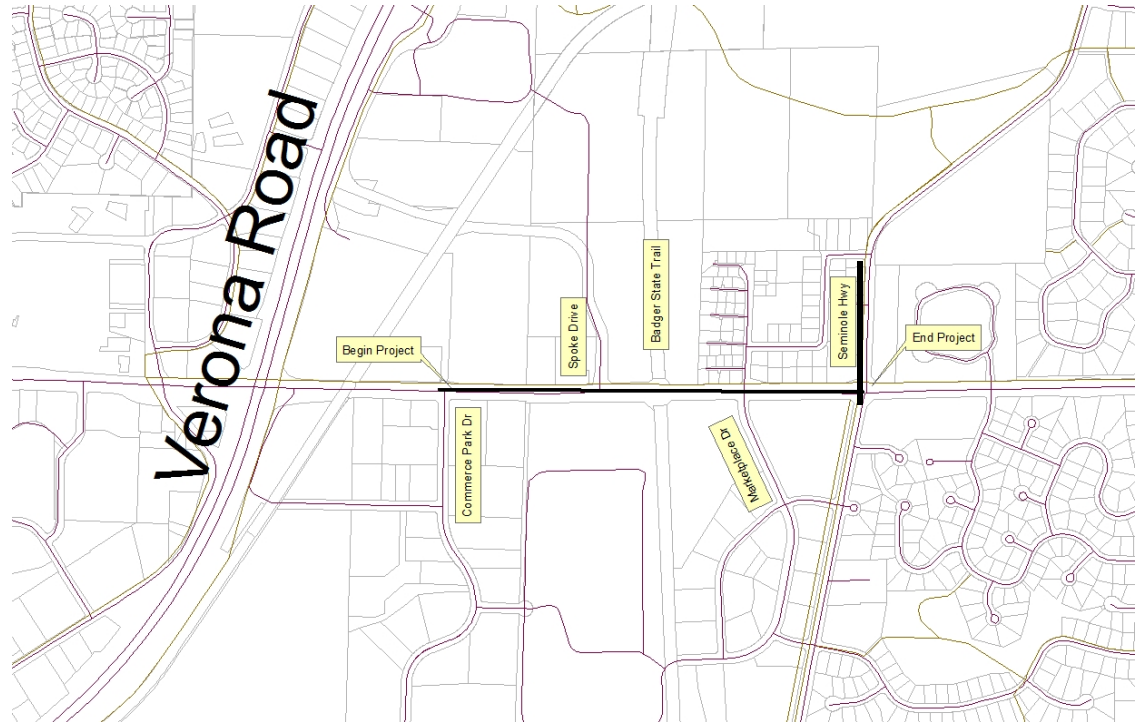
Project Background

- McKee Road is being reconstructed in sections:
 - 2014 – Seminole Hwy to Fish Hatchery Rd, surface replacement and drainage
 - 2020 – Fitchrona Rd to Commerce Park Dr – WisDOT Verona Road project
 - 2020 – Commerce Park Dr to Seminole Hwy - Fitchburg
- Agreement with Dane County during 2014 resurfacing
 - Jurisdictional Transfer:
 - Verona Road to Fish Hatchery Road – Effective January 1, 2020
 - Cost sharing for Phase II
- McKee Road Traffic Analysis completed in 2015
 - Evaluated 4-lane versus 6-lane



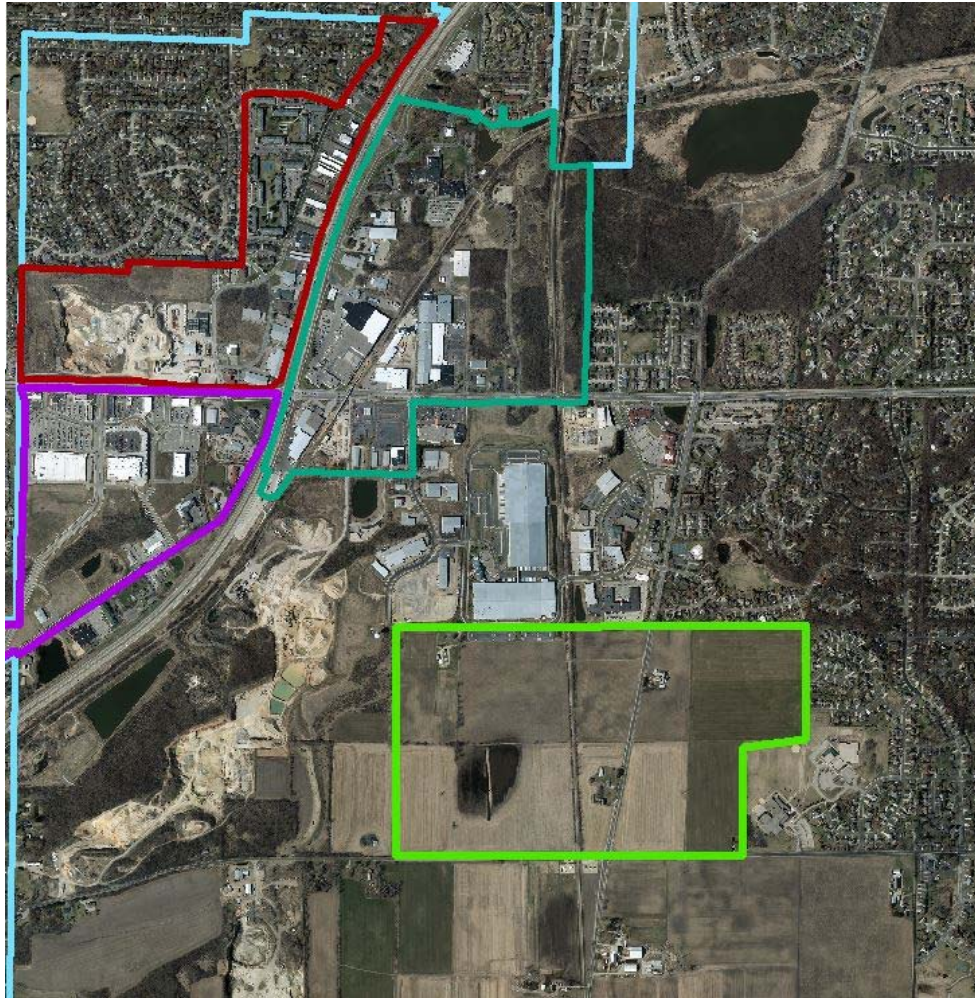
Project Overview

- Project Limits: Commerce Park Drive to Seminole Highway ~ 3,200 feet
- STP-urban project with 60% federal and 40% local matching funds
- Maintain 4-lane divided cross-section
- Construction planned for 2020

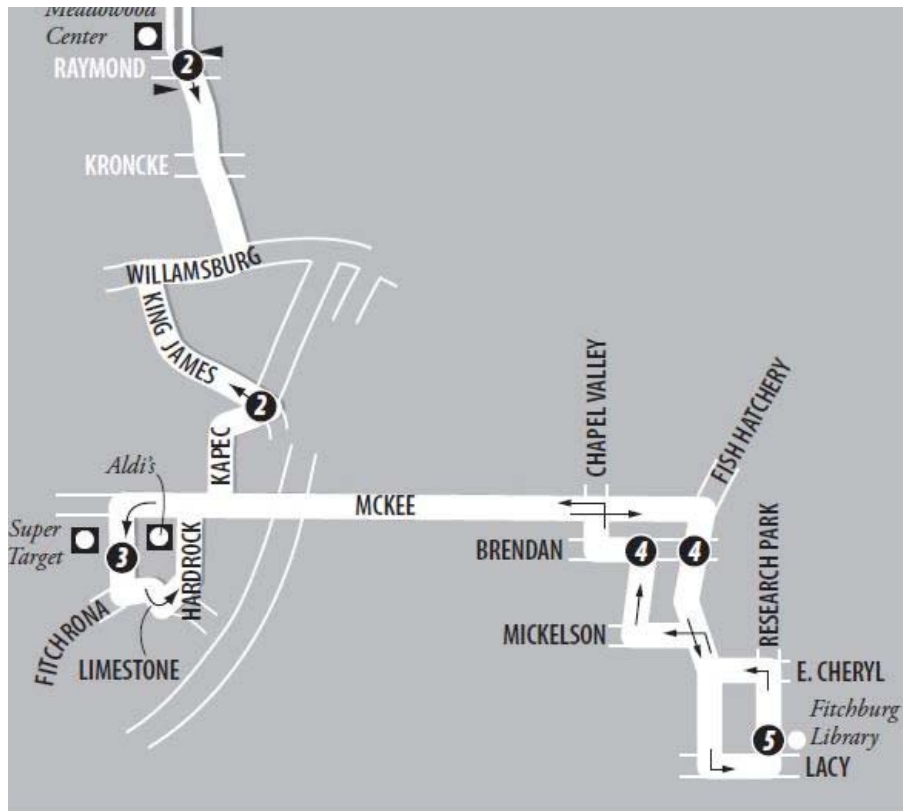


Project Vicinity – Growth

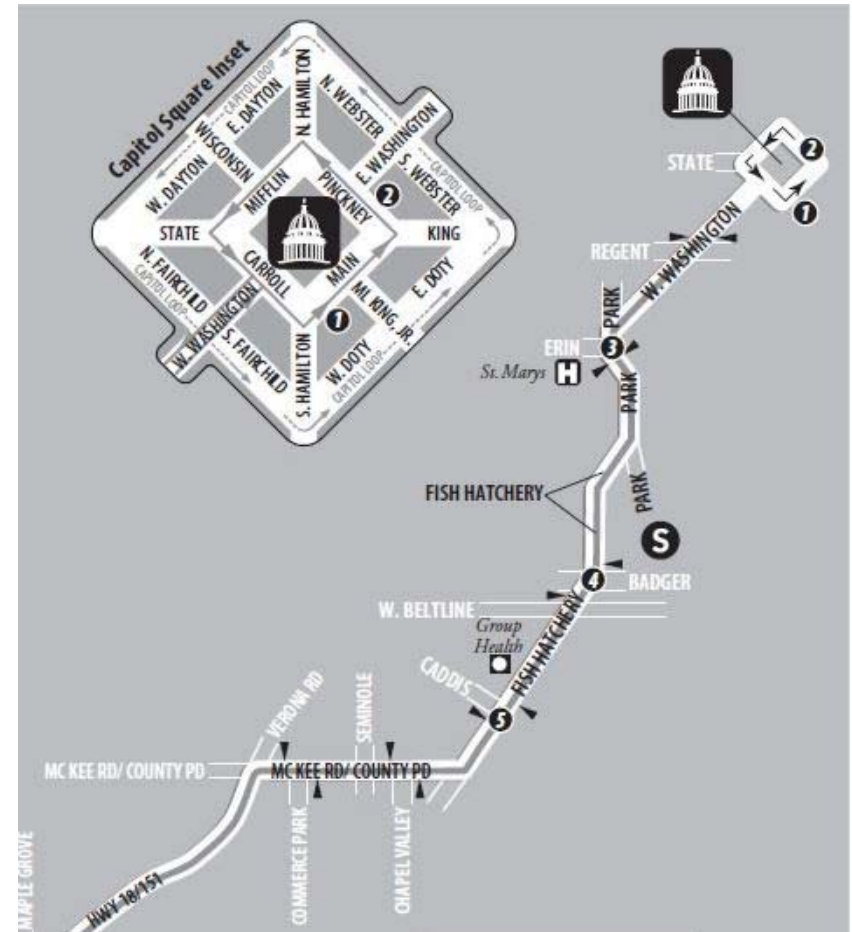
- ▶ Arrowhead neighborhood
- ▶ Anton Drive neighborhood
- ▶ N. Stoner Prairie Neighborhood
- ▶ Orchard Pointe build-out
- ▶ Development beyond Fitchburg (Madison and Verona)



Existing Transit Service

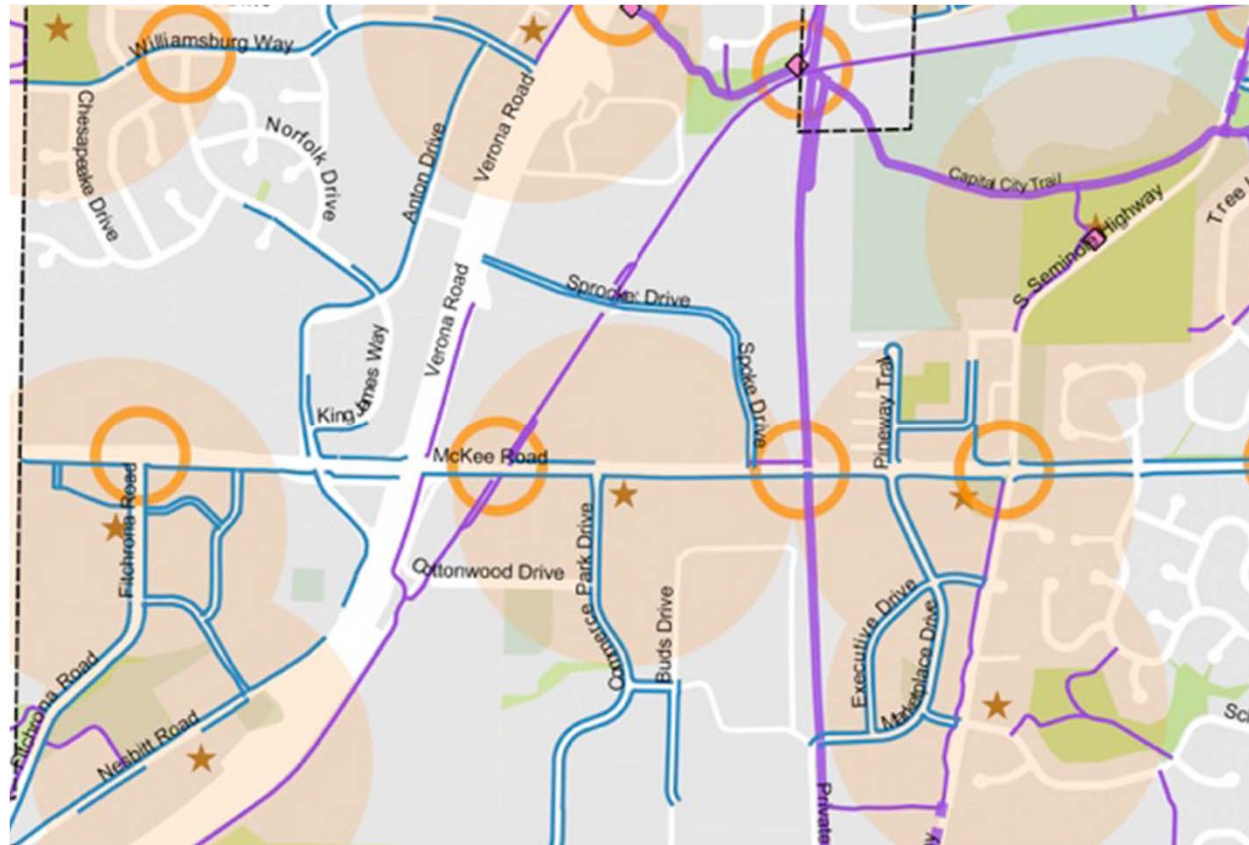


Route 59 – Weekend only







Route 75 – Commute Route (Peak AM and PM, weekdays only)

McKee Road has Community Destinations



Pedestrian Route Network

-  Pedestrian Activity Areas
-  Proposed Shared Use Paths
-  Primary Intersections
-  Proposed Streets

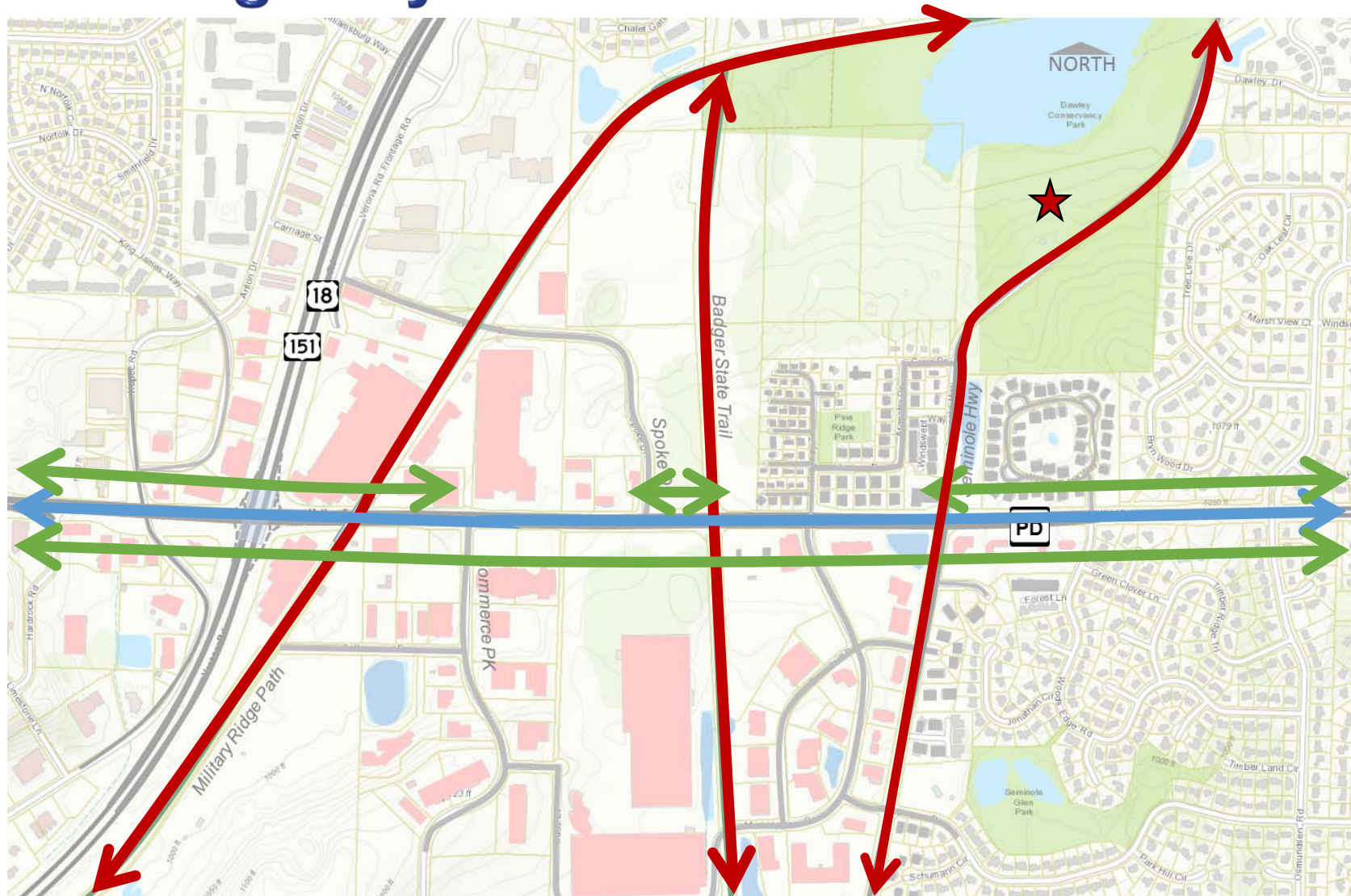
Existing Pedestrian Facilities

-  Existing Trailhead
-  Existing Sidewalk
-  Existing Shared Use Trail
-  Existing Shared Use Path
-  Community Destinations

McKee Road is designated a Primary Bike Route



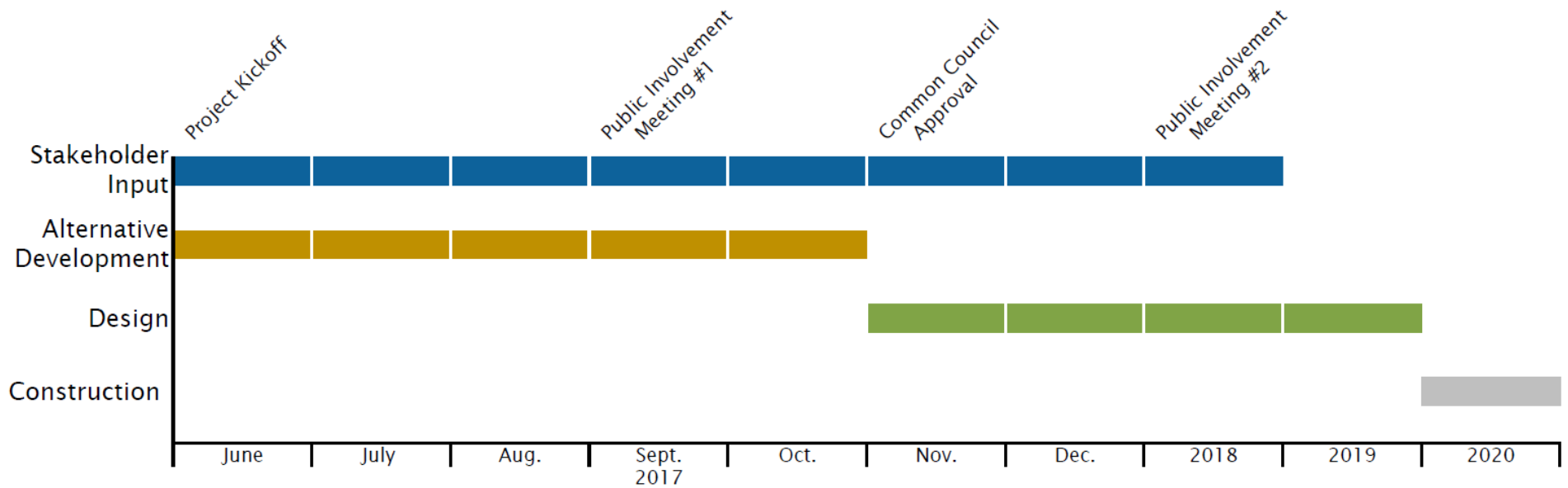
Existing Bicycle and Pedestrian Facilities



Project Goals

- ▶ Replace deteriorating pavement
- ▶ Minimize right-of-way acquisition and impacts to neighboring properties
- ▶ Incorporate intersection improvements to:
 - ▶ *Increase capacity,*
 - ▶ *Improve intersection operations, and*
 - ▶ *Address current and future development and growth near the corridor*
- ▶ Enhance bicycle and pedestrian accommodations
- ▶ Construct a grade-separated crossing for the Badger State Trail
- ▶ Become aware of and avoid impacts to cultural, historical, and archaeological sites

Project Schedule



Progress to Date

- ▶ Topographical and Utility Surveys

- ▶ Traffic Data Collection

 - ▶ Intersection counts

 - ▶ Traffic Forecast

- ▶ Agency and Stakeholder Outreach

 - ▶ Wisconsin Department of Natural Resources

 - ▶ Utility Facility Representatives

 - ▶ Dane County Highway Department

 - ▶ Madison Metro Transit

- ▶ Historical and Archeological Surveys

 - ▶ Anticipated in the Fall 2017

- ▶ Soil Borings

 - ▶ Anticipated in the Fall 2017

Traffic Data Results

► McKee Road

► Average Daily Traffic

- 29,300 vpd (2015)
- 32,200 vpd (2040)

► Truck Percentage

- 5.3%

► Seminole Highway

► Average Daily Traffic

- 11,700 vpd (2015)
- 12,900 vpd (2040)

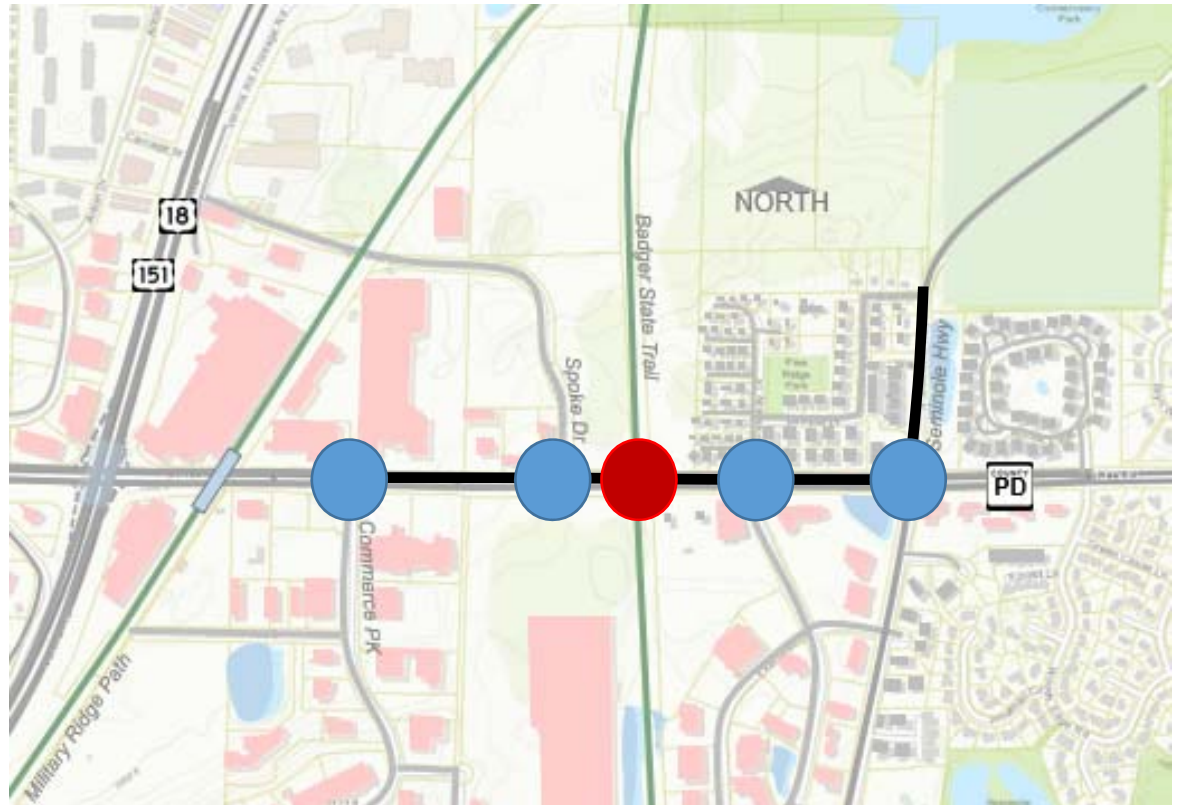
► Truck Percentage

- 3.4%



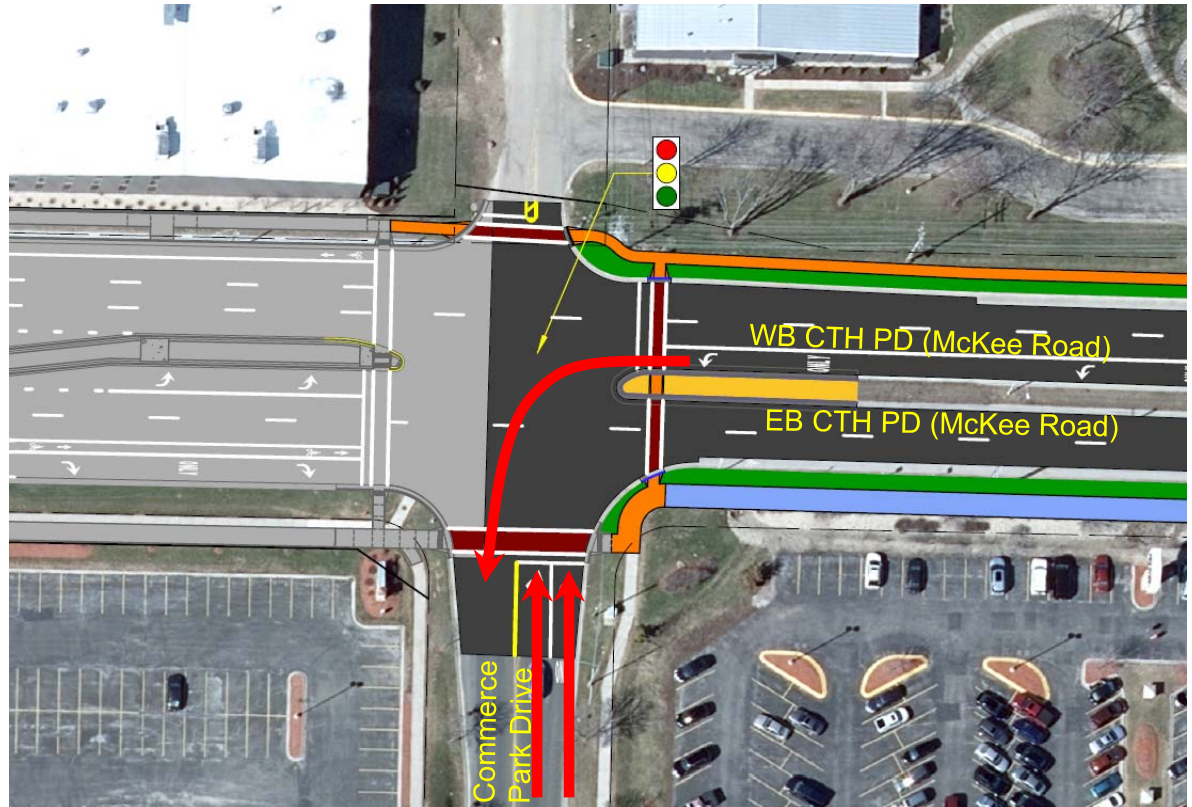
Intersections

- ▶ Commerce Park Drive
- ▶ Spoke Drive
- ▶ Marketplace Drive
- ▶ Seminole Highway
- ▶ Badger State Trail



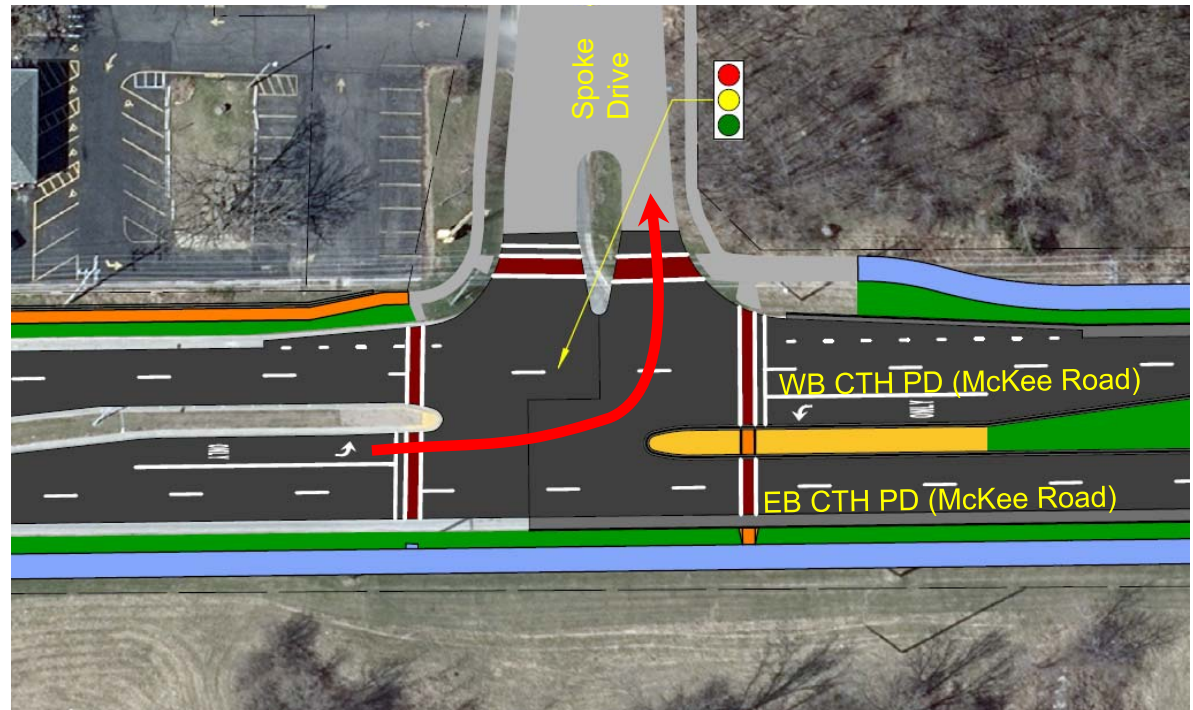
McKee Road – Commerce Park Drive

- ▶ Maintain Existing Signalized Lane Configuration
 - ▶ Evaluate Increasing Turn Bay Lengths
- ▶ Evaluate Traffic Signal Phasing to Enhance Efficiency
 - ▶ Consider a traffic signal phase for the WB McKee Road to SB Commerce Park Drive turning movement



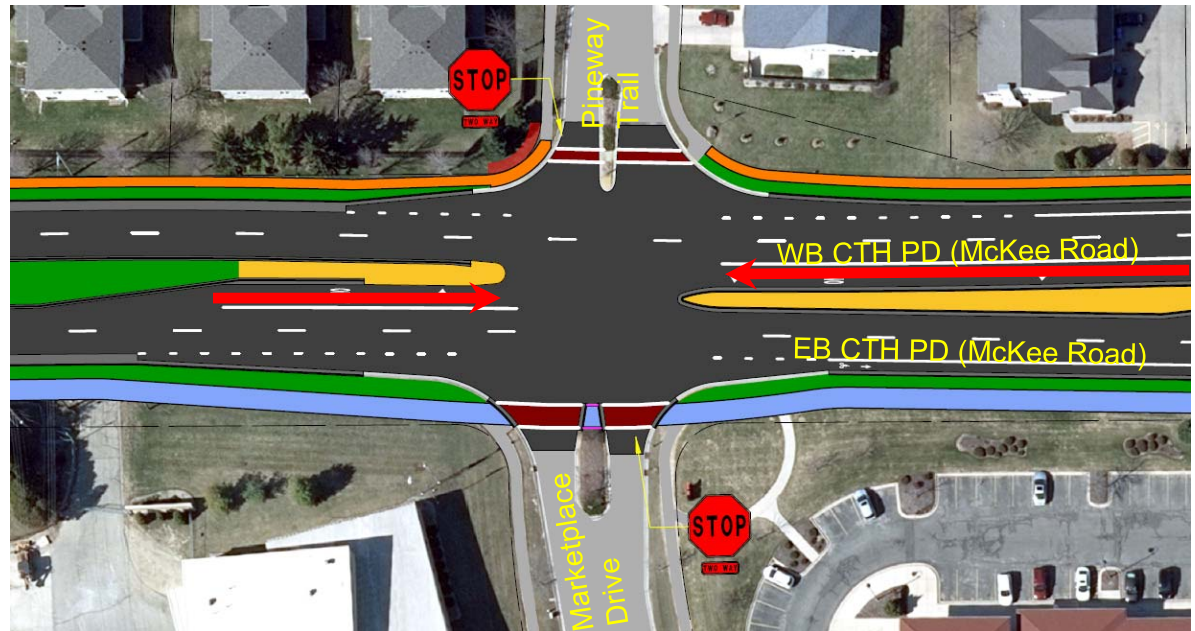
McKee Road – Spoke Drive

- ▶ Maintain Signalized Existing Lane Configuration
- ▶ Evaluate Traffic Signal Phasing to Enhance Efficiency
 - ▶ Consider a traffic signal phase for the EB McKee Road to NB Spoke Drive turning movement



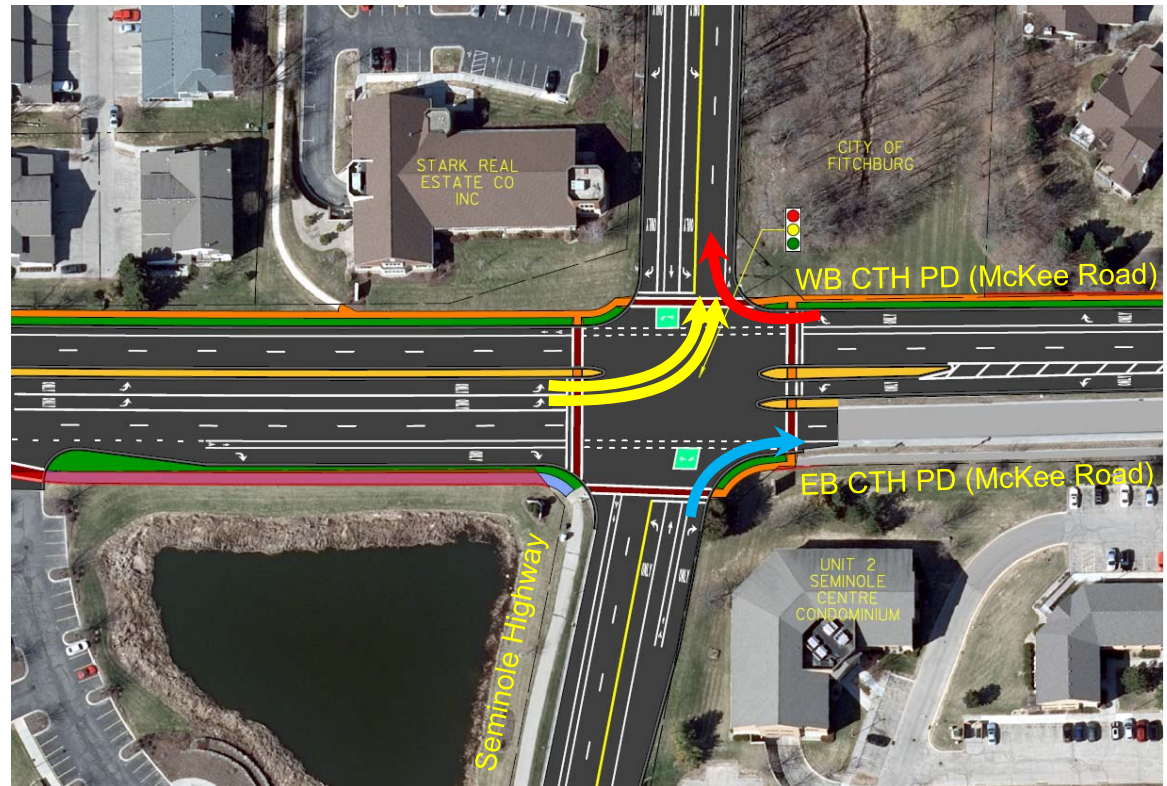
McKee Road – Marketplace Drive

- ▶ Maintain Existing Lane Configuration
 - ▶ Evaluate Increasing Left Turn Bay Lengths
- ▶ Maintain Existing Stop Controlled Intersection With Integrated Emergency Vehicle Preemption Signals For New Fire Station



McKee Road – Seminole Highway

- ▶ Enhance Existing Signalized Lane Configuration
 - ▶ Add Dedicated WB Right
 - ▶ Add Second EB Left
 - ▶ Add Dedicated NB Right
- ▶ Evaluate Seminole Highway Profile Adjustments



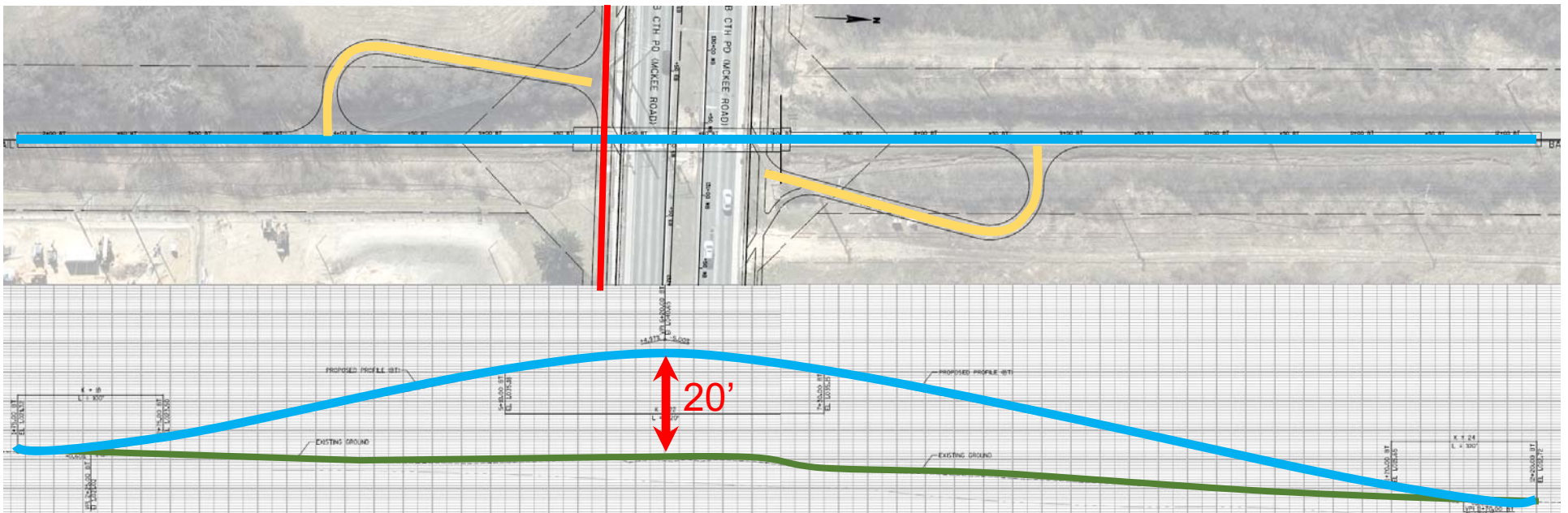
Badger State Trail Crossing-Overpass

► Pros

- Drainage
- McKee Road Profile

► Cons

- Cost
- Footprint
- Maintenance
- Badger State Trail Profile
- Overhead ATC Distribution Lines



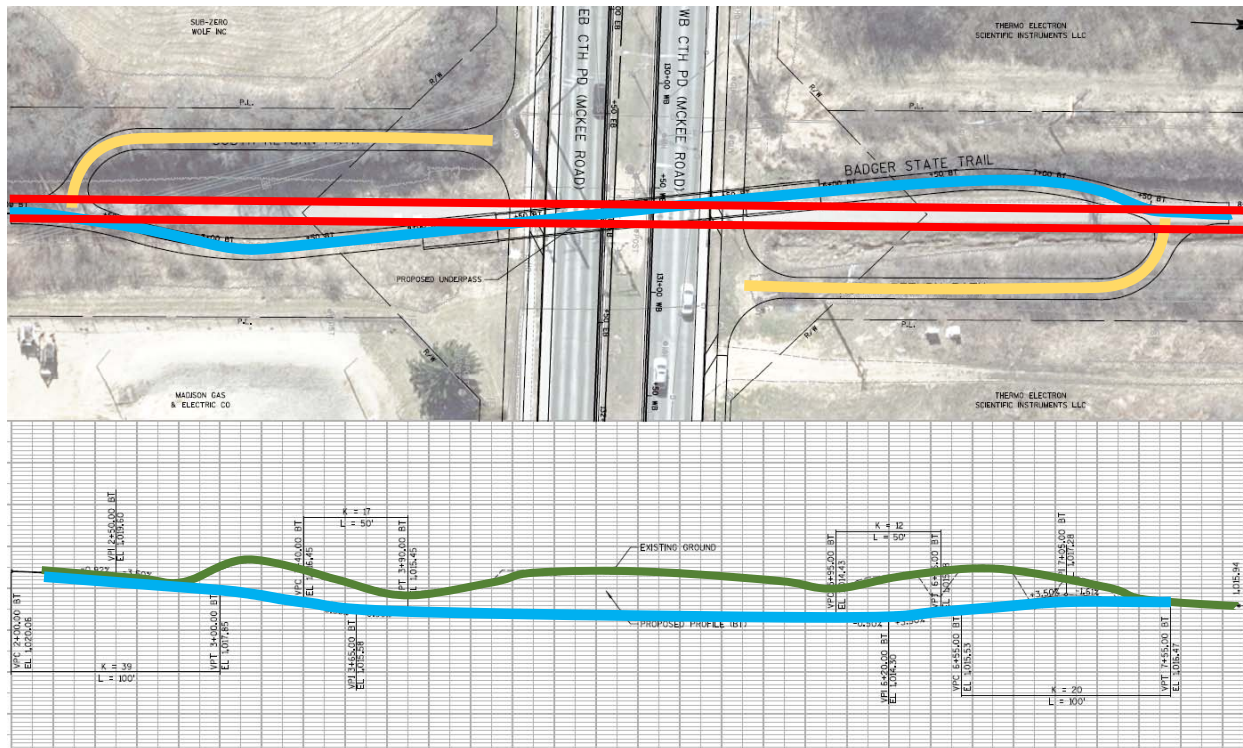
Badger State Trail Crossing-Underpass

► Pros

- Cost
- Footprint
- Maintenance
- Badger State Trail Profile

► Cons

- Drainage
- McKee Road Profile
- Potential Impacts to Underground Utilities



Benefit to Public Park Area

- ▶ Public Park Area (Section 4(f) Resource)
Impacted by the Project
 - ▶ Badger State Trail – Grade Separated Crossing
- ▶ Owned by Wisconsin Department of Transportation
- ▶ Maintained by Wisconsin Department of Natural Resources
- ▶ Scope of Impacts Anticipated
 - ▶ Temporary easements to construct underpass and return paths
 - ▶ Badger State Trail anticipated to be closed several months
 - ▶ Signed detour will be provided
 - ▶ No acquisition anticipated
 - ▶ Resource maintaining authorities support improvements and impacts

Conceptual Typical Section Alternatives Development

- ▶ Developed 3 conceptual alternatives
 - ▶ All alternatives include an underpass for the Badger State Trail crossing of McKee Road
 - ▶ All alternatives show sidewalk on the north side and a multi-use path on the south side
 - ▶ Shown conceptually in exhibits
 - ▶ Public support for sidewalk continuity sought
 - ▶ All alternatives include intersection improvements to the McKee Road-Seminole Highway intersection
- ▶ All typical section alternatives meet these considerations:
 - Enhance the existing bike and pedestrian accommodations within the corridor
 - Enhance traffic operations at the McKee Road-Seminole Highway intersection
 - Replace deteriorating pavement
 - Adhere to WisDOT, federal, and City design standards for safety and longevity of the infrastructure

Conceptual Typical Section Alternatives Development

- ▶ Additional Considerations
 - ▶ Cost - \$5.3M Construction Budget
 - ▶ Construction
 - ▶ Maintenance
 - ▶ Multimodal Enhancement
 - ▶ Minimize Property Impacts

Best Meets Project Goals

Meets Project Goals

Does Not Meet Project Goals

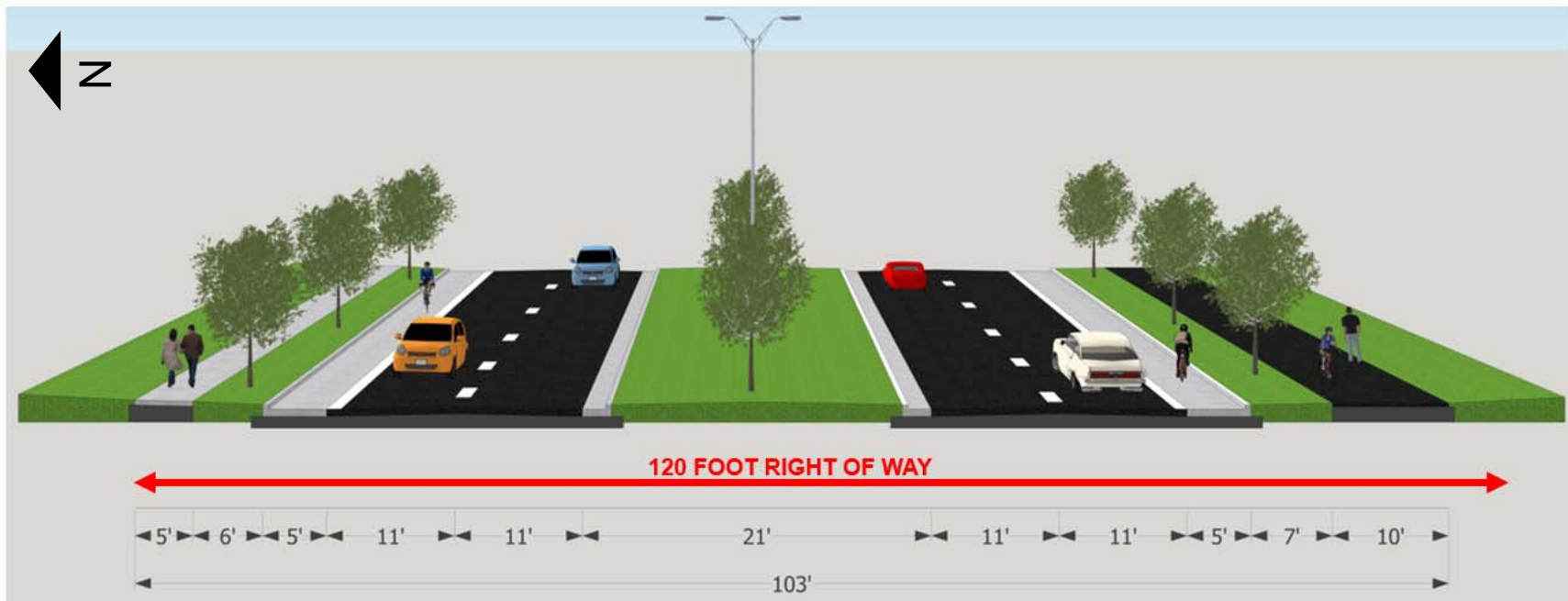
Alternative A Maintain Integral Curb and Gutter

- Cost
- Multimodal Enhancement
- Minimize Property Impacts

Best Meets Project Goals

Meets Project Goals

Best Meets Project Goals



MCKEE ROAD AT BADGER STATE TRAIL CROSSING – LOOKING EAST

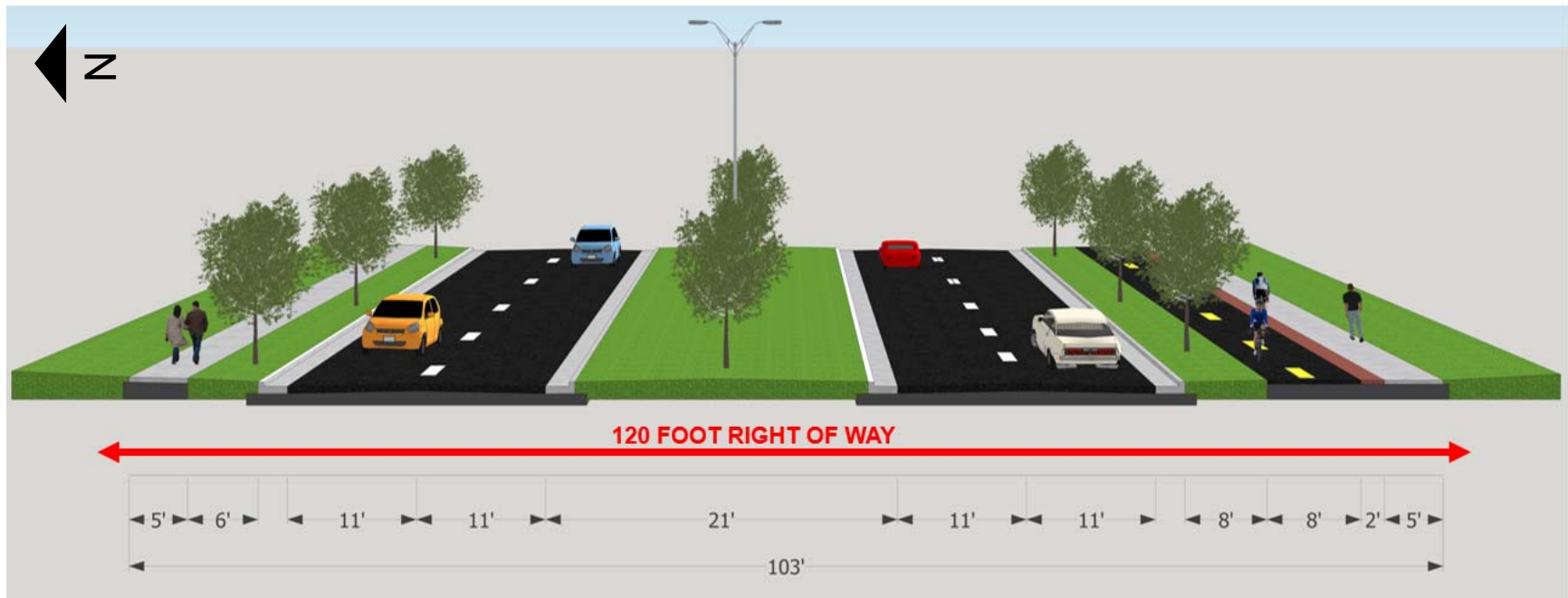
Alternative B Raised Cycle Track

- Cost
- Multimodal Enhancement
- Minimize Property Impacts

Meets Project Goals

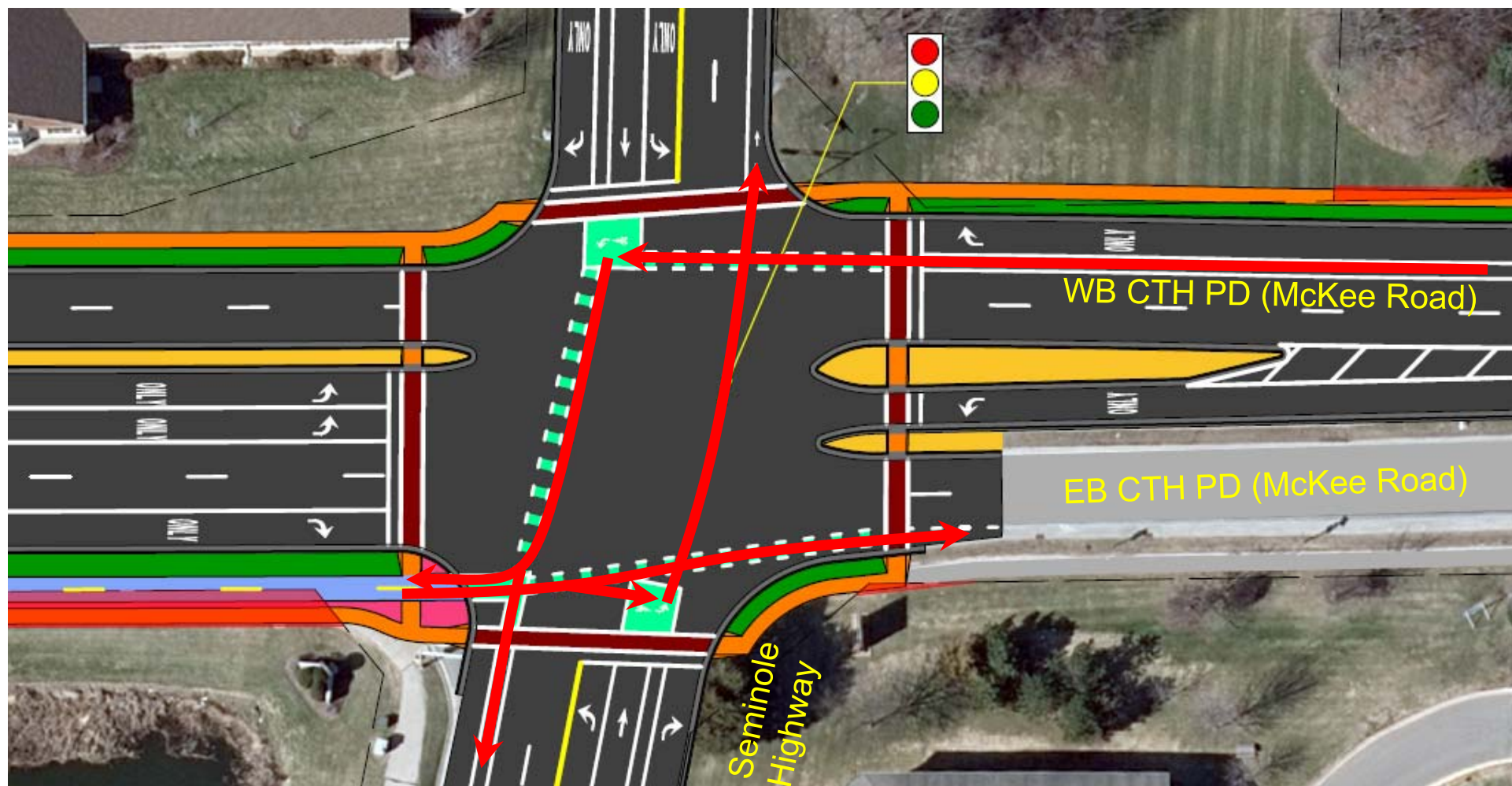
Meets Project Goals

Best Meets Project Goals



Alternative B

Raised Cycle Track At Intersections



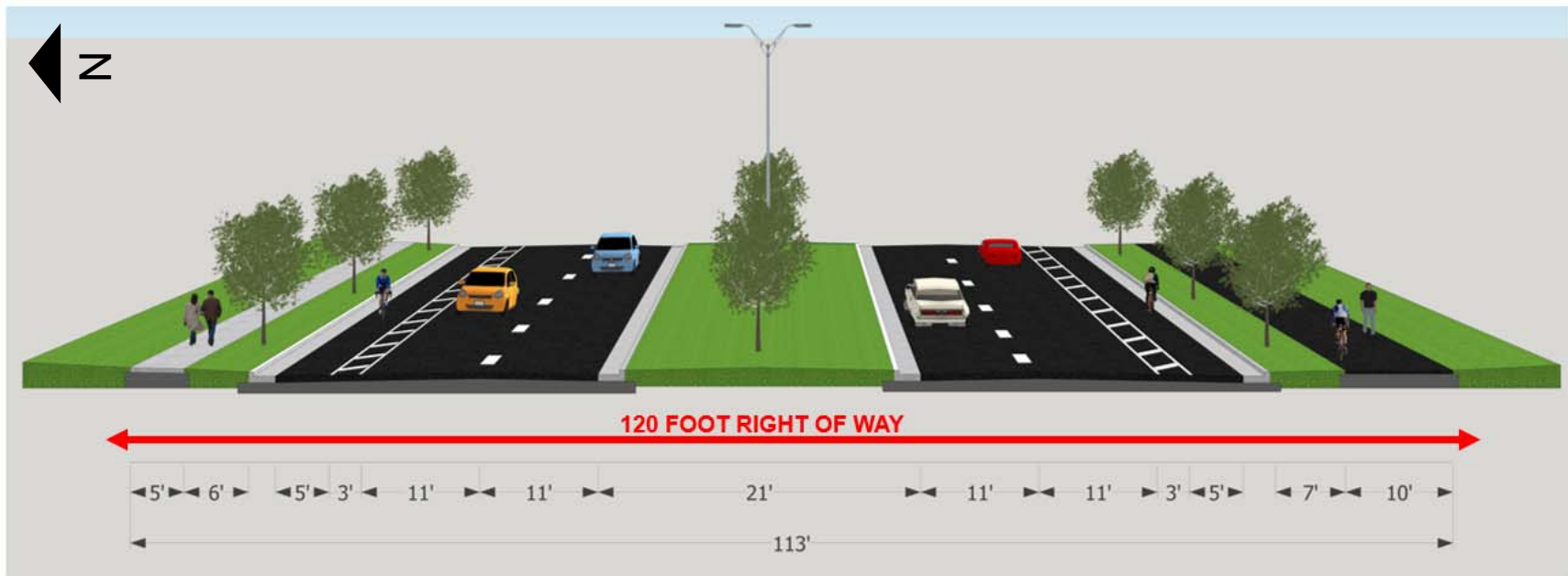
Alternative C Buffered Bicycle Lanes

- Cost
- Multimodal Enhancement
- Minimize Property Impacts

Does Not Meet Project Goals

Best Meets Project Goals

Meets Project Goals



MCKEE ROAD AT BADGER STATE TRAIL CROSSING – LOOKING EAST

Alternative Comparison

	<u>Alternative A</u> Maintain Integral Curb and Gutter	<u>Alternative B</u> Raised Cycle Track	<u>Alternative C</u> Buffered Bicycle Lanes
Cost	Best Meets Project Goals	Meets Project Goals	Does Not Meet Project Goals
Multimodal Enhancement	Meets Project Goals	Meets Project Goals	Best Meets Project Goals
Property Impacts	Best Meets Project Goals	Best Meets Project Goals	Meets Project Goals

Stormwater

- ▶ Additional Impervious Area Anticipated
- ▶ Stormwater Enhancements Likely Needed
 - ▶ Potentially Expand Existing Stormwater Pond
 - ▶ Stormwater Features Within Infield Areas of Bike Path Returns



Going Forward

- ▶ Typical section refinements based on your comments
- ▶ Selection of preferred alternative
- ▶ Approval by Common Council
- ▶ Preliminary design and completion of environmental documentation

Tentative Schedule for Consideration of Project Elements by City:

- ▶ Common Council Referral: October 24, 2017
- ▶ Board of Public Works – November 6, 2017
- ▶ Transportation and Transit Commission – November 9, 2017
- ▶ Common Council Approval – November 14, 2017



Your Input Is Needed

- ▶ Comment sheets available – Due October 4, 2017
- ▶ Please remember to sign in!
- ▶ Visit the project webpage to provide your feedback on the conceptual alternatives
 - ▶ www.fitchburgwi.gov/McKee_Road
- ▶ Receive updates on the project progress by subscribing to “McKee Road Reconstruction” using the City of Fitchburg’s “Notify Me” system



Notify Me®

▼ Available Lists

1. Type your email address in the box and select **Sign In**.
2. If you want to receive text messages enter your phone number and select **Save**.
3. To subscribe or unsubscribe click  and/or  next to the lists to which you wish to subscribe/unsubscribe.

**Thank you for attending
tonight's meeting!**

Questions?



Project Information:

www.fitchburgwi.gov/McKee_Road

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